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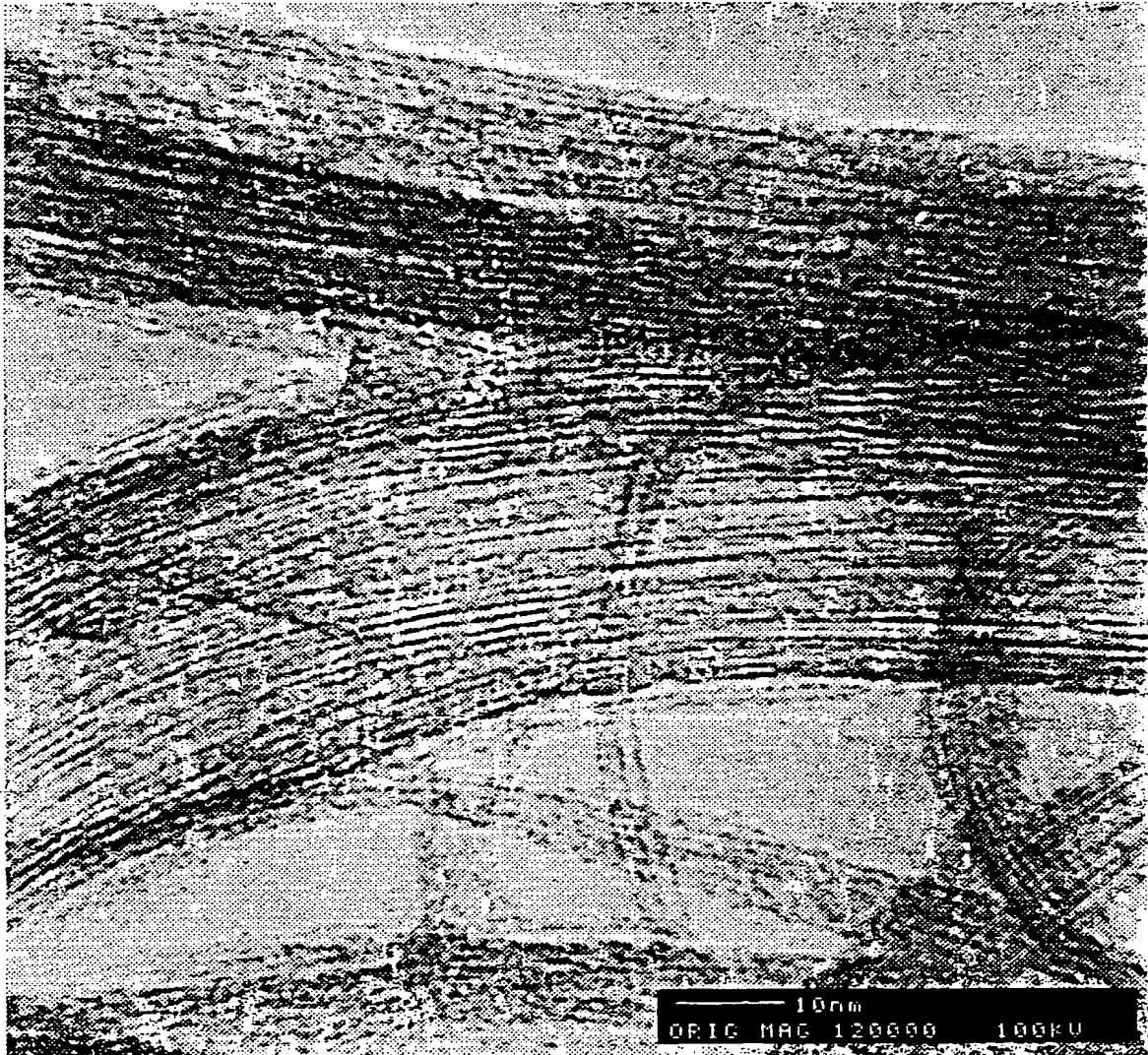


FIG. 1A

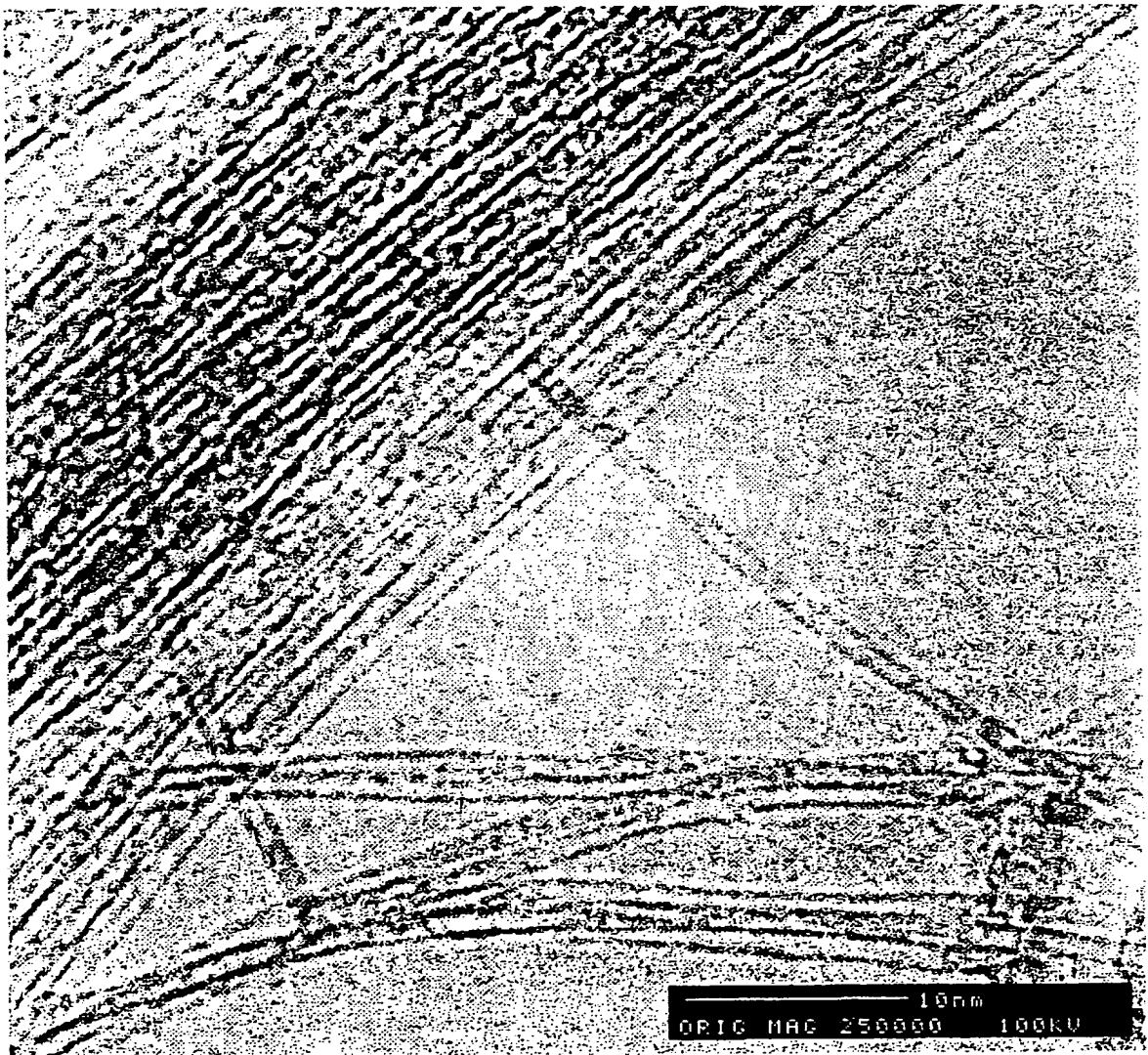


FIG. 1B

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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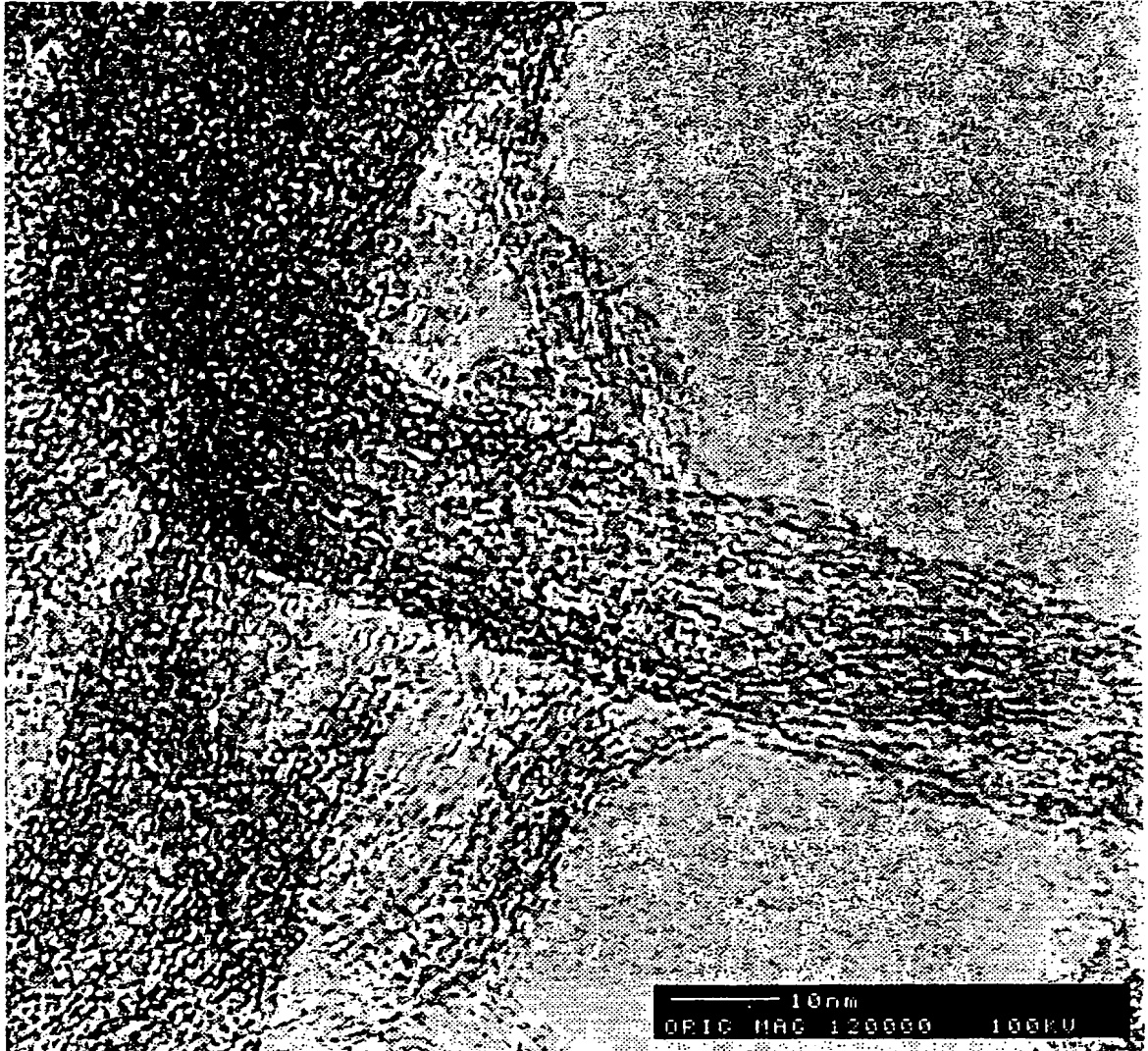


FIG. 1C

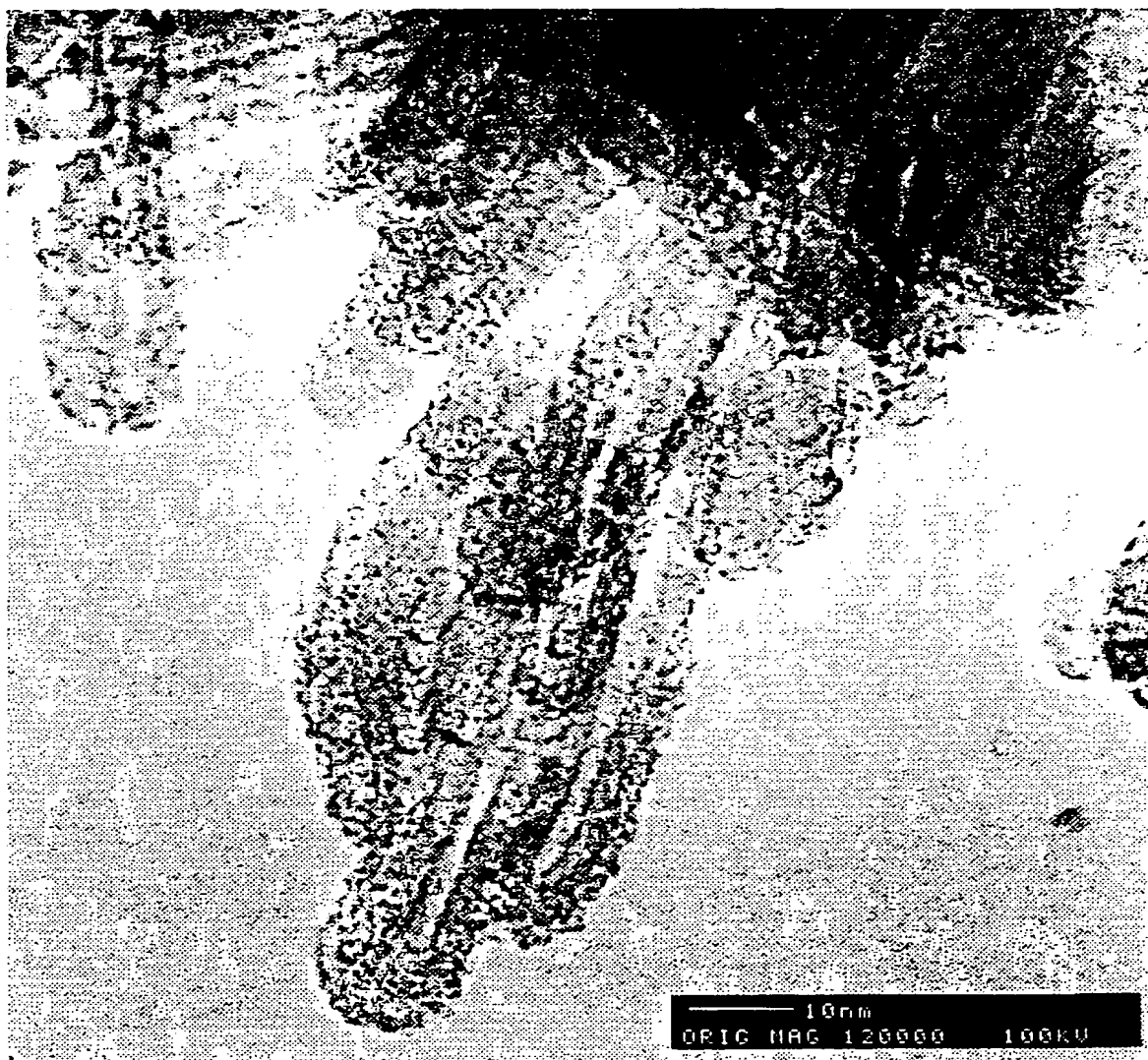


FIG. 1D

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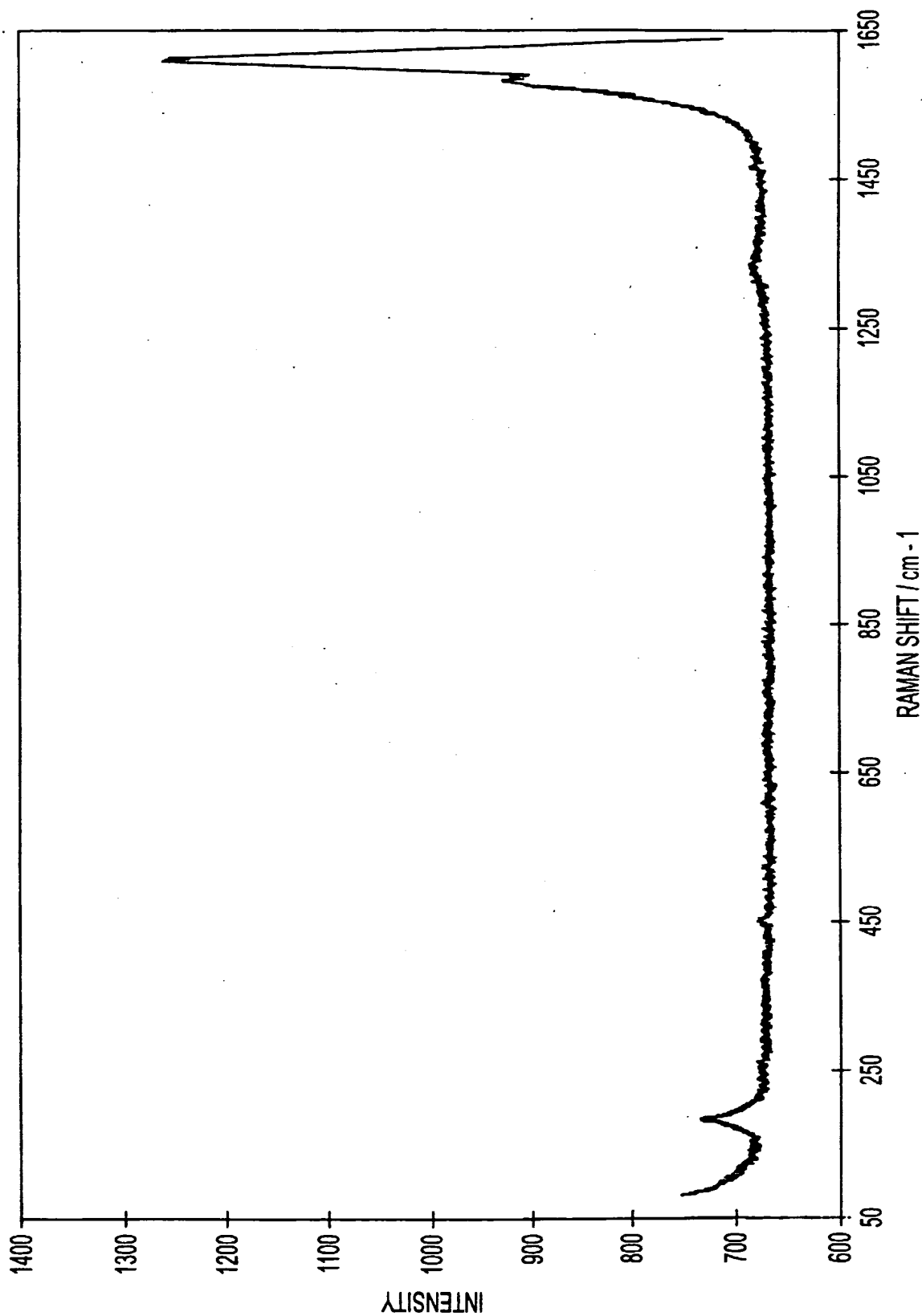


FIG. 2

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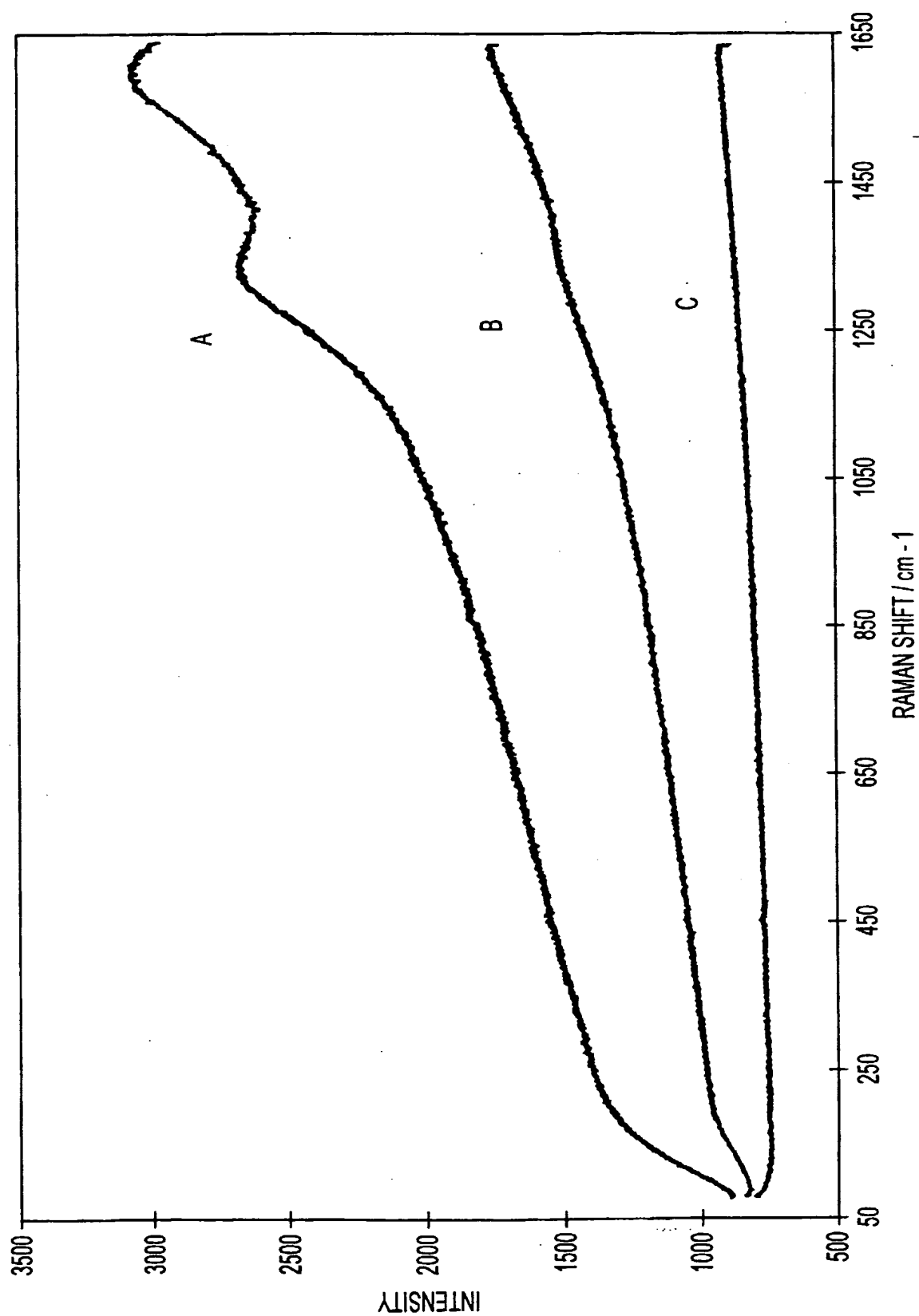


FIG. 3

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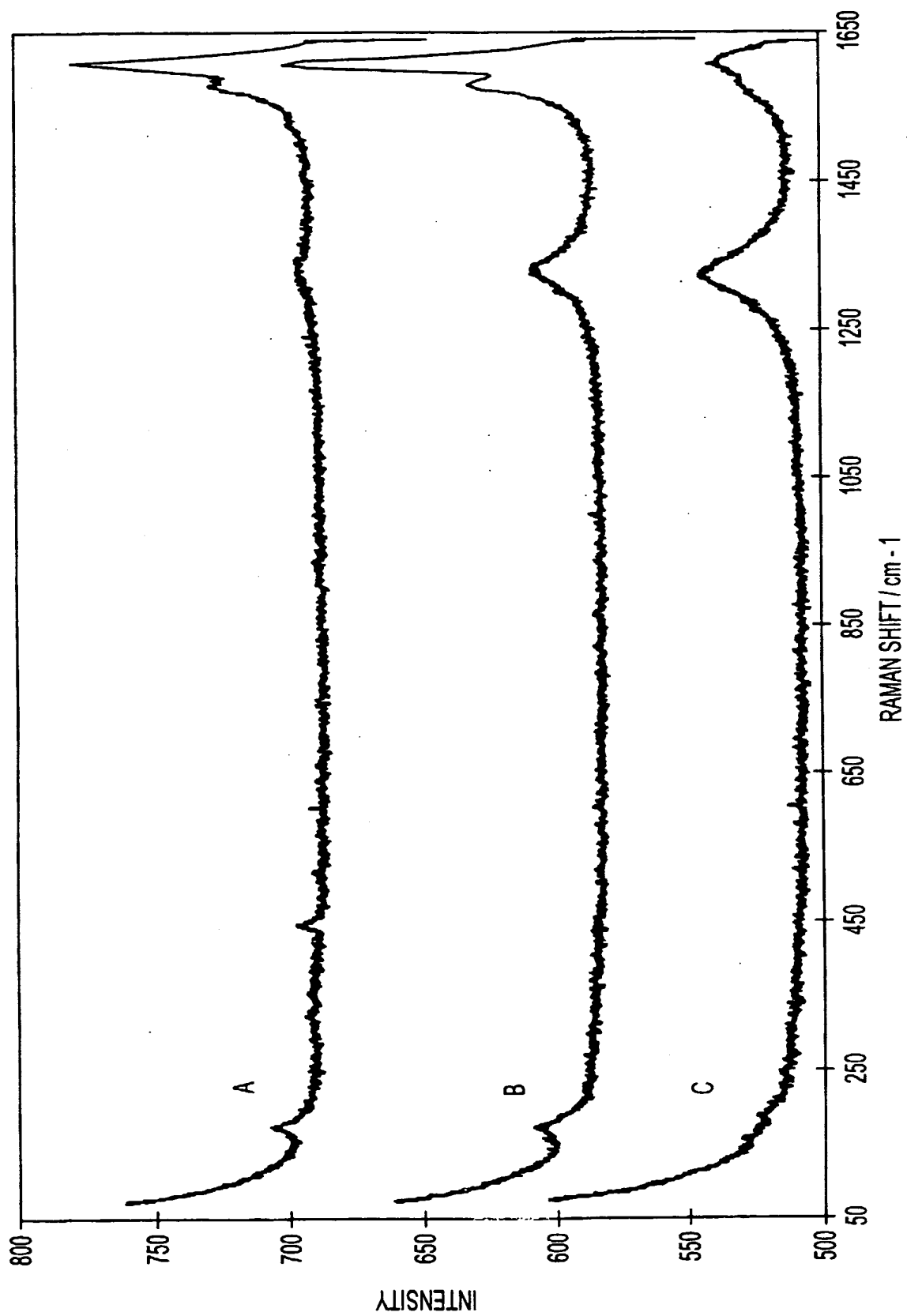


FIG. 4

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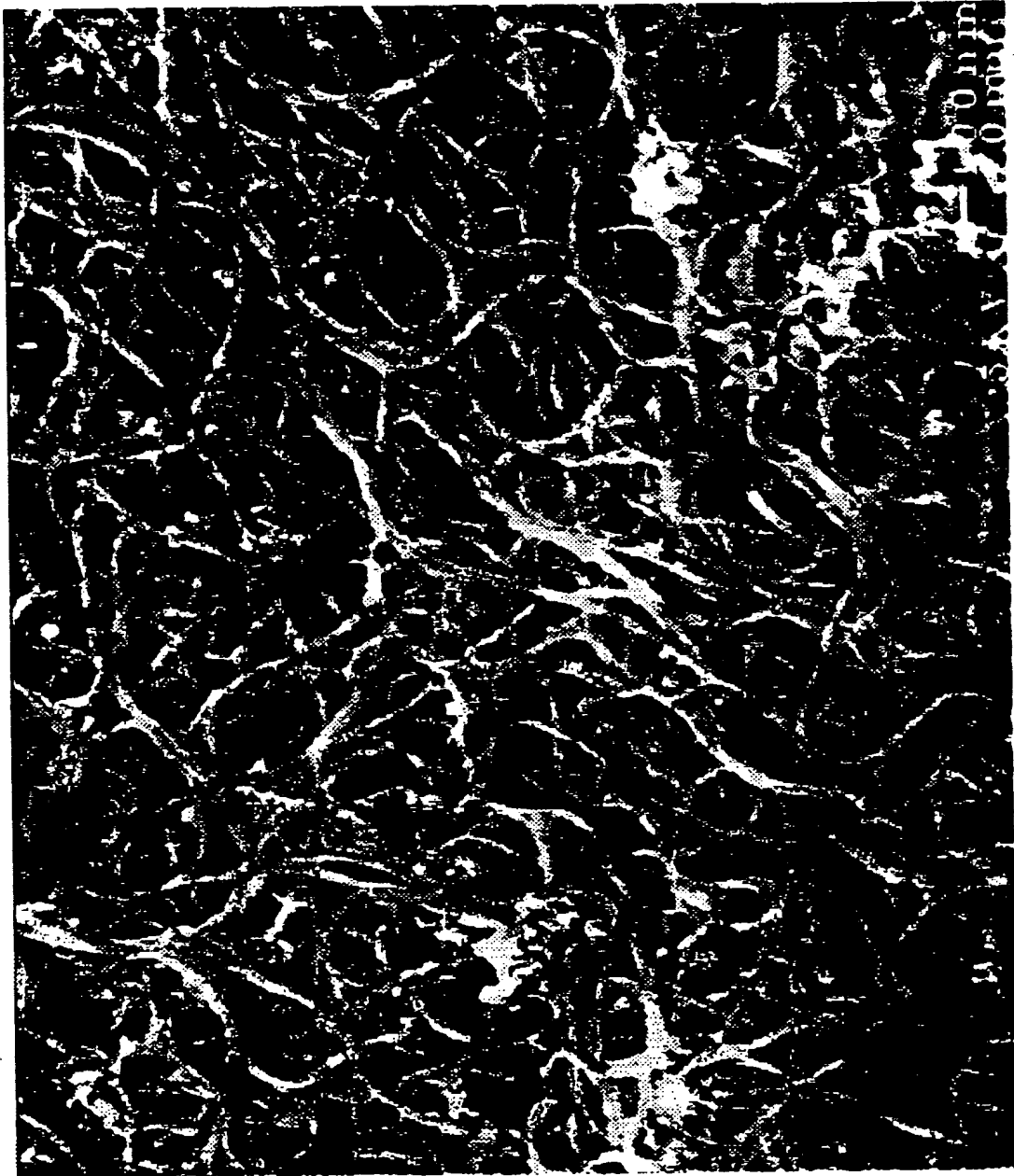


FIG. 5A



FIG. 5B

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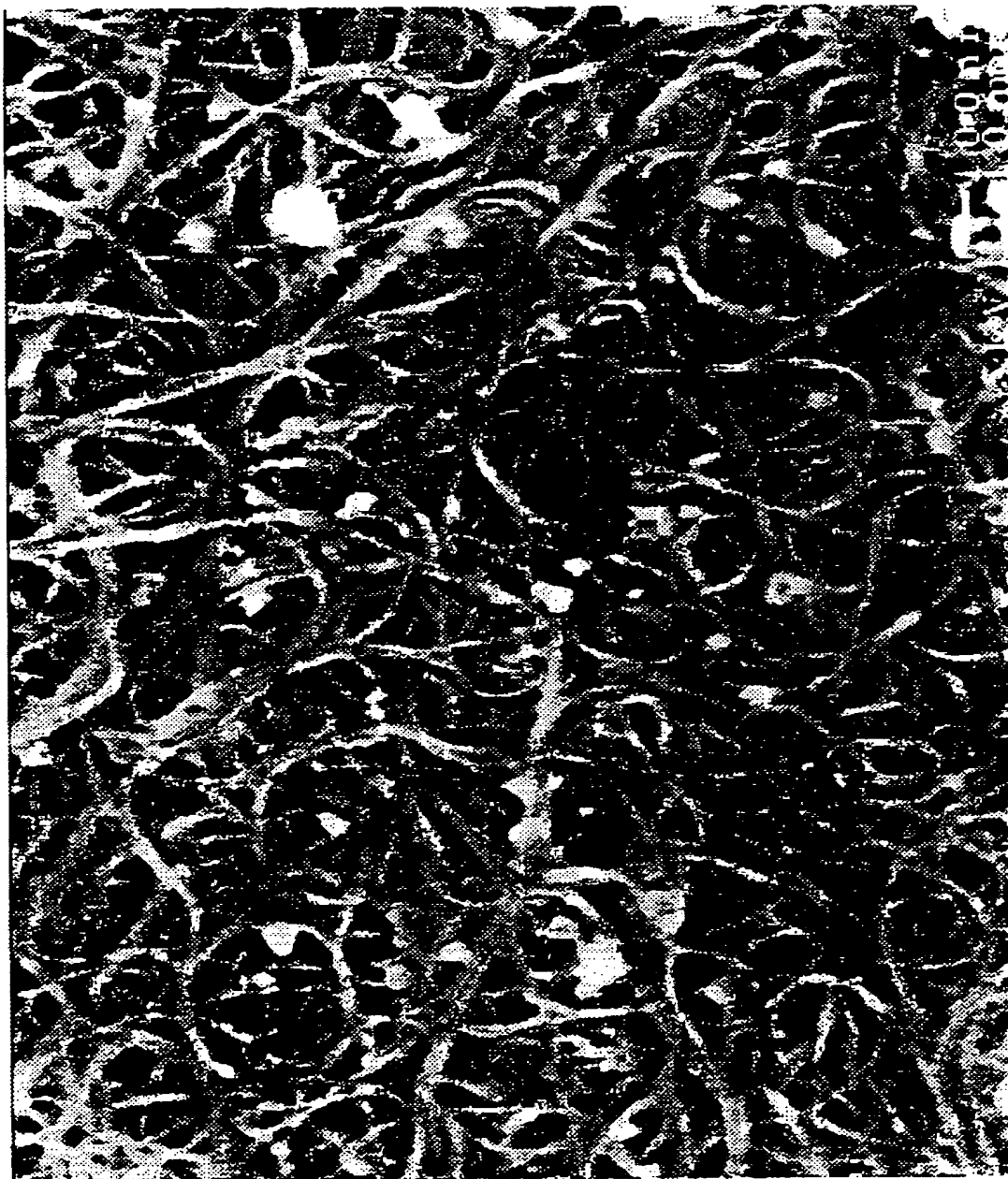


FIG. 5C

FIG. 5C

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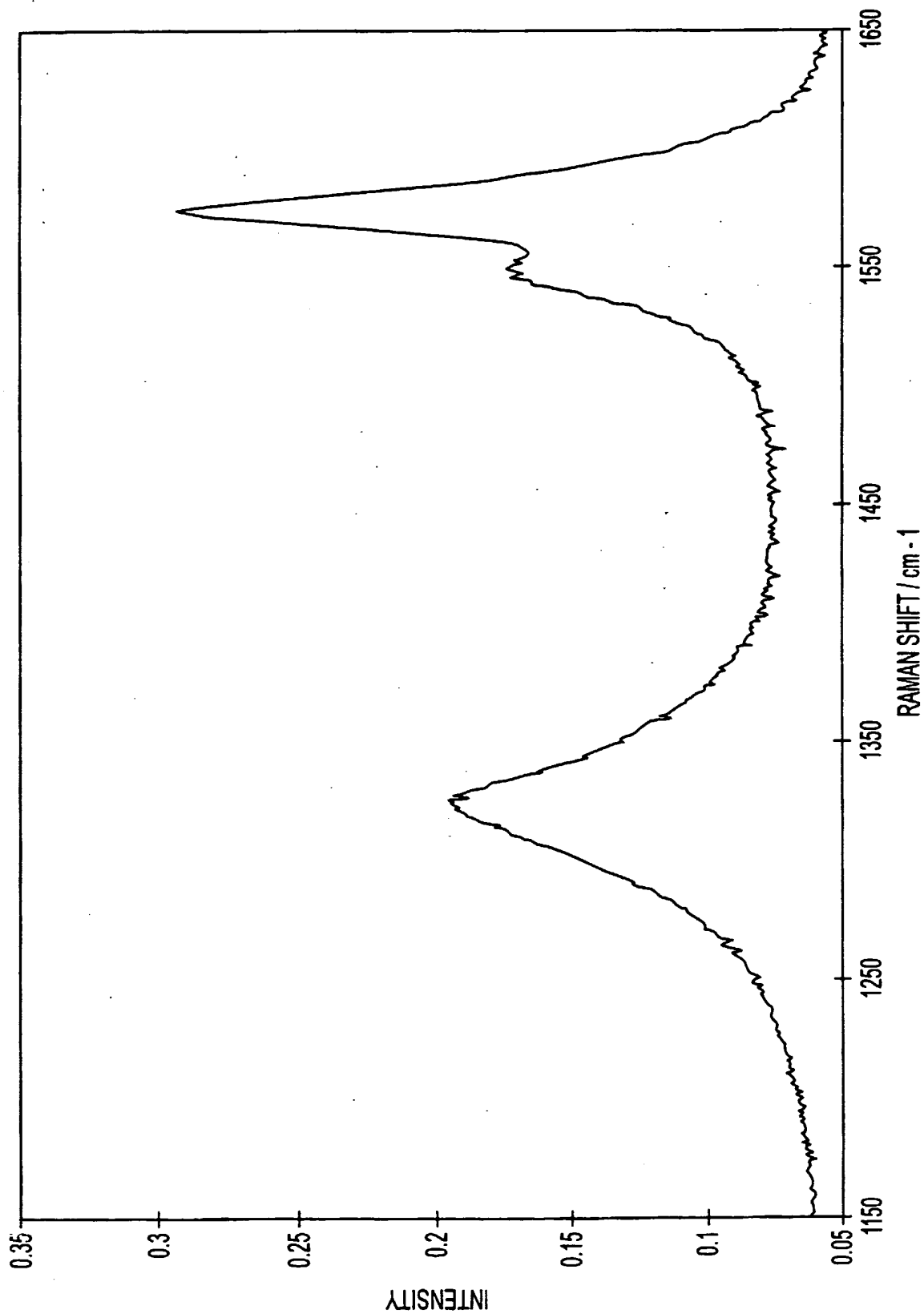


FIG. 6A

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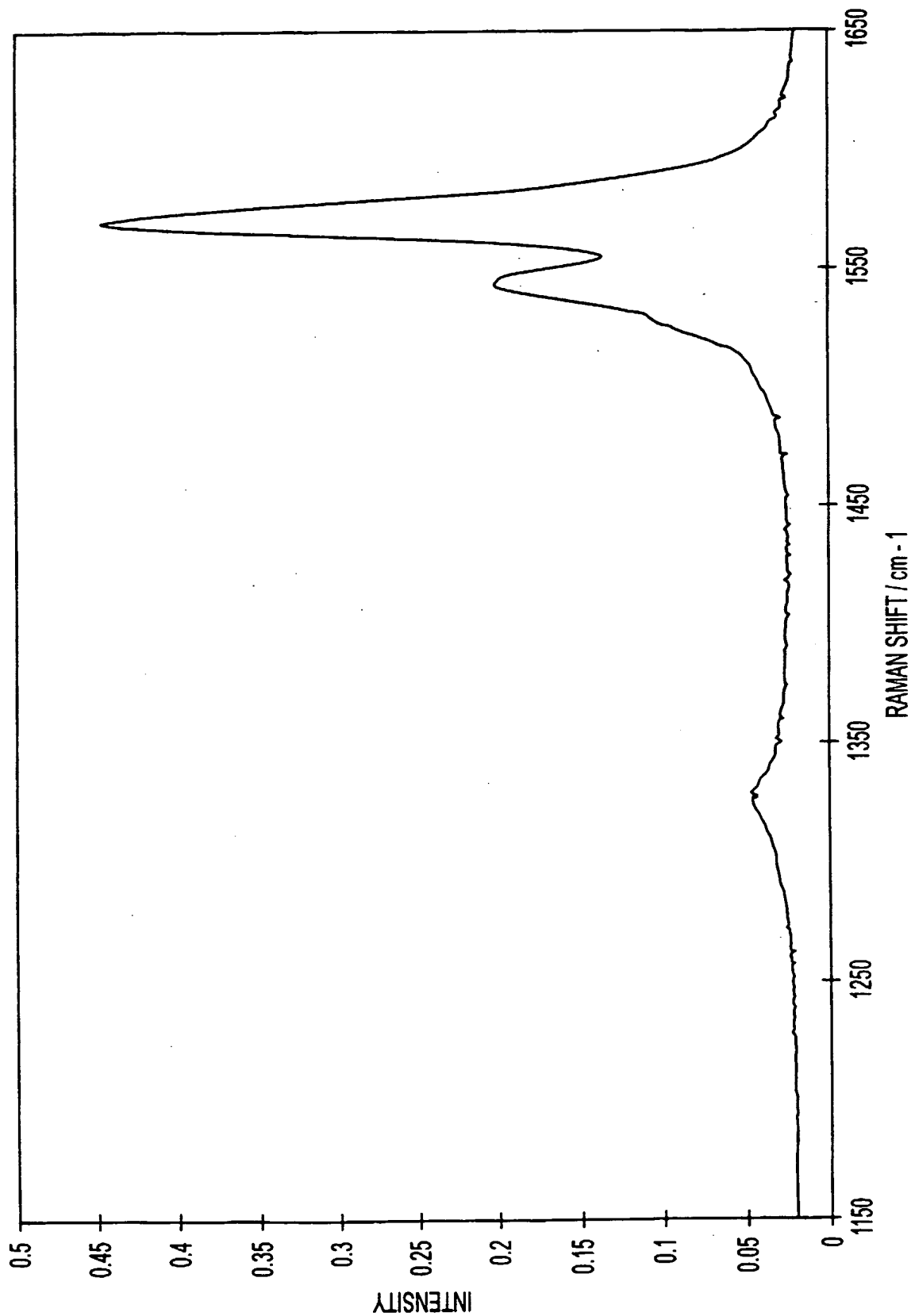


FIG. 6B

FIG. 6B is a Raman spectrum plot showing Intensity vs. Raman Shift (cm⁻¹). The y-axis (Intensity) ranges from 0 to 0.5. The x-axis (Raman Shift) ranges from 1150 to 1650 cm⁻¹. The spectrum shows a broad peak centered around 1550 cm⁻¹ and a smaller peak around 1330 cm⁻¹.

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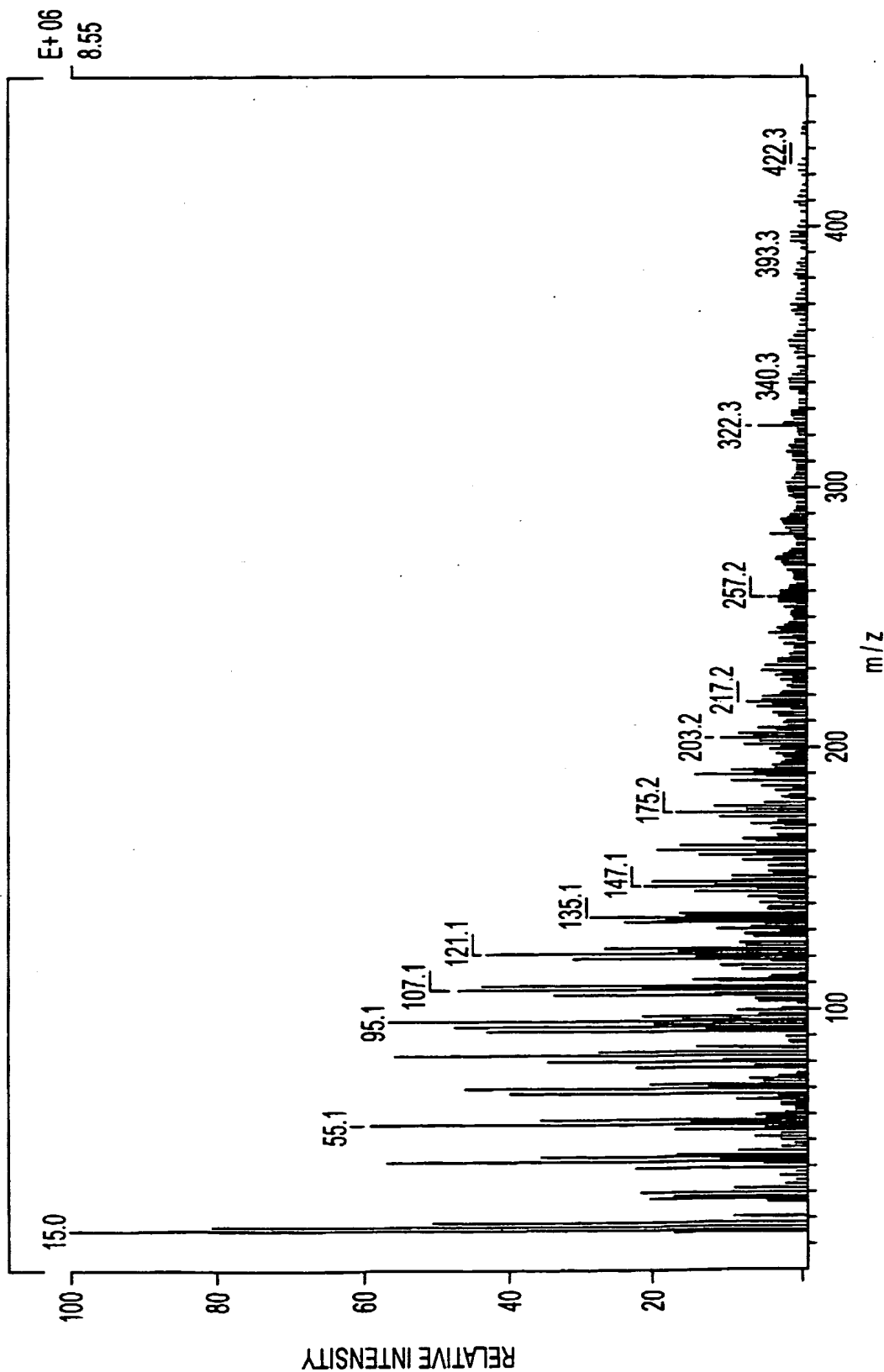


FIG. 7

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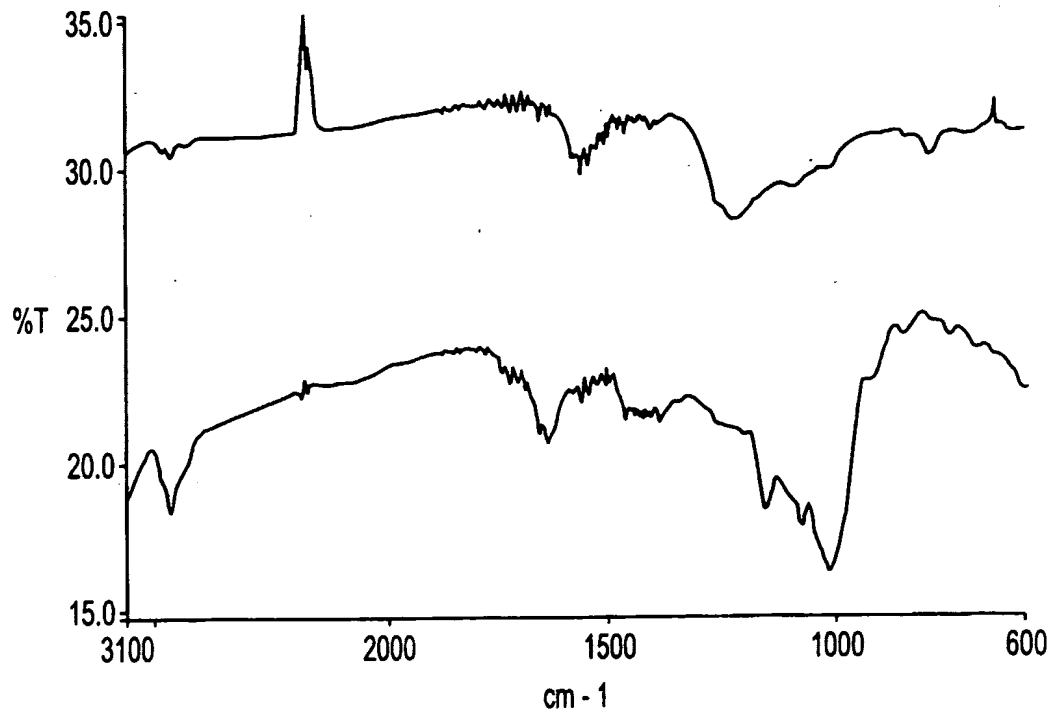


FIG. 8

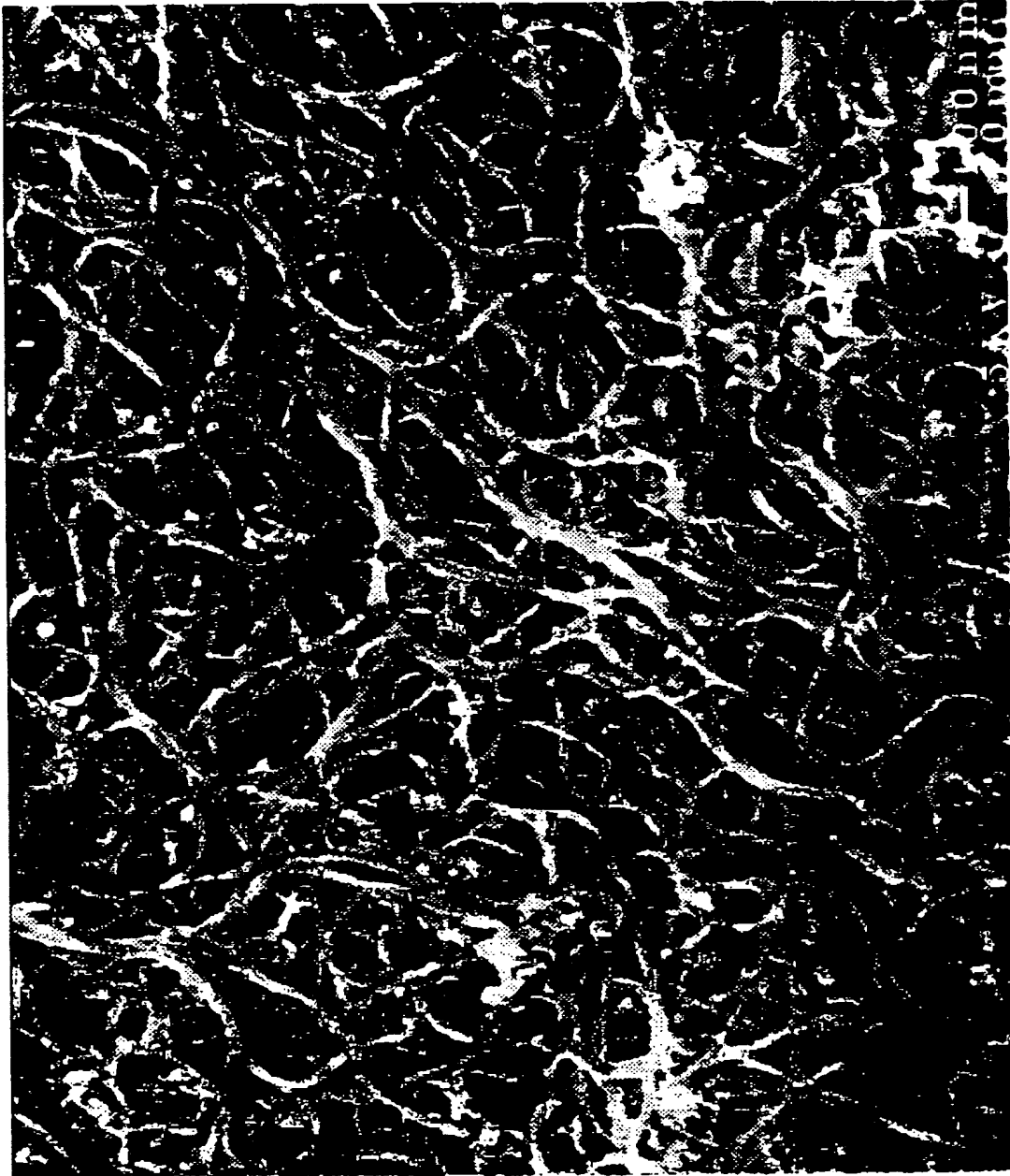


FIG. 9

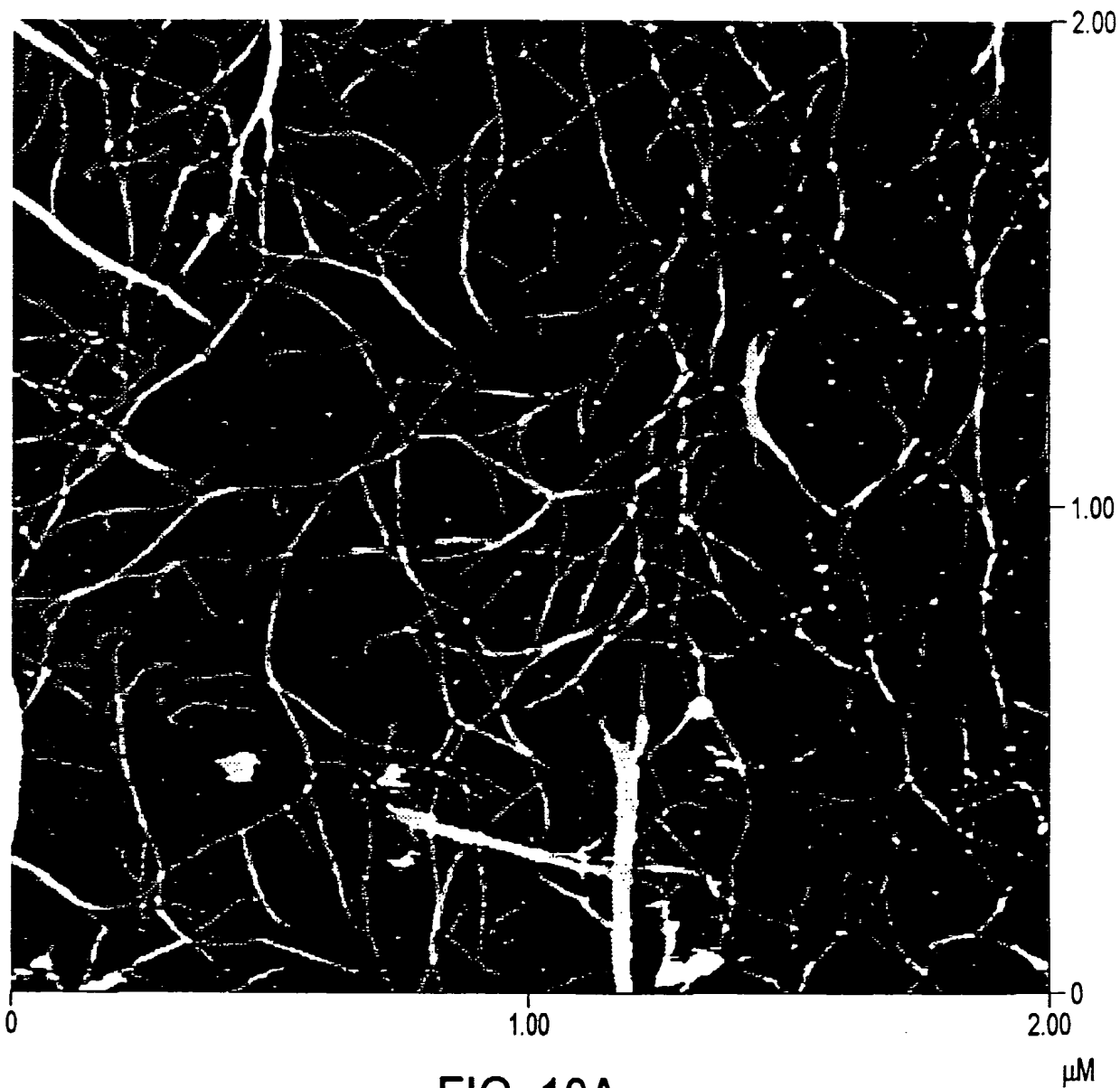


FIG. 10A

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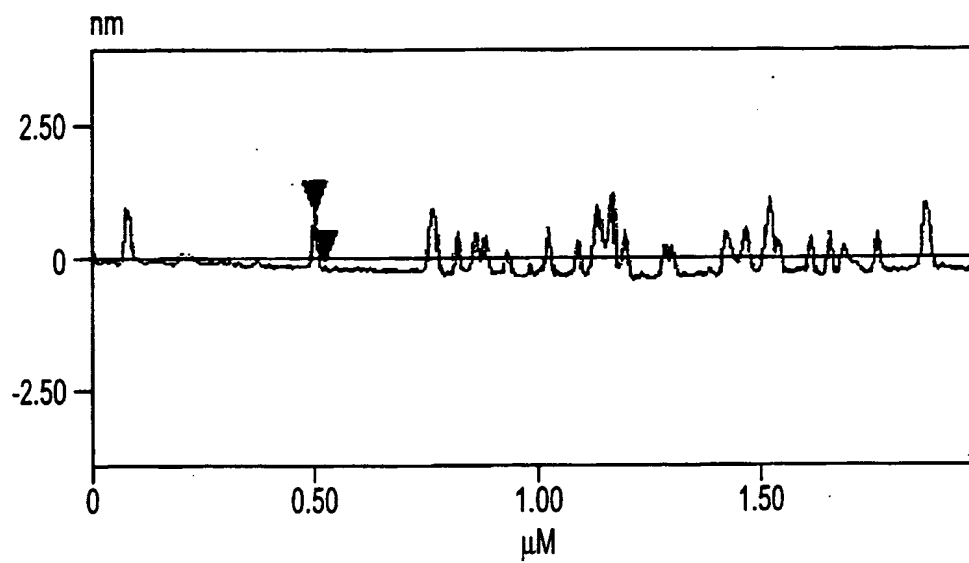


FIG. 10B

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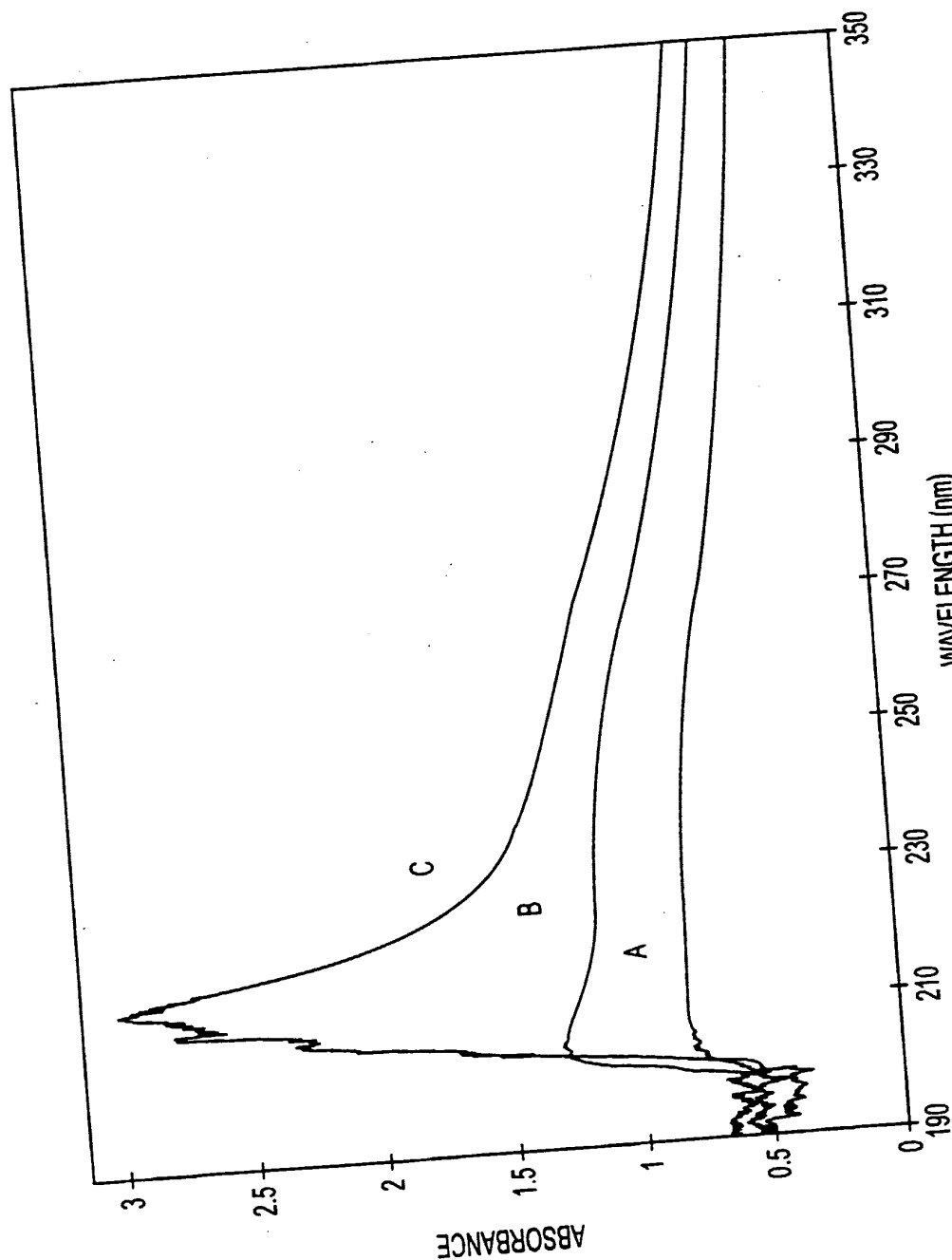


FIG. 11

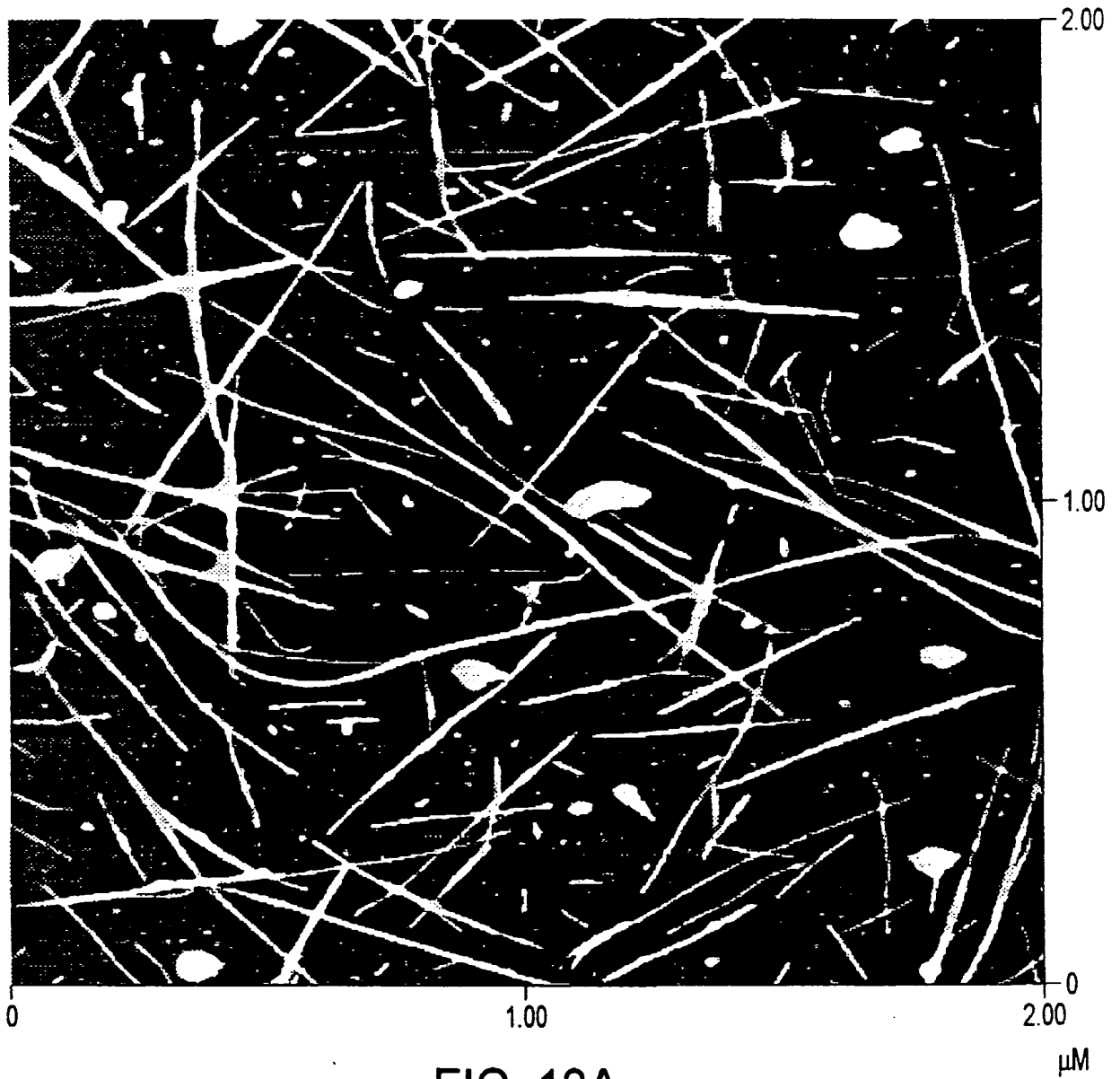


FIG. 12A

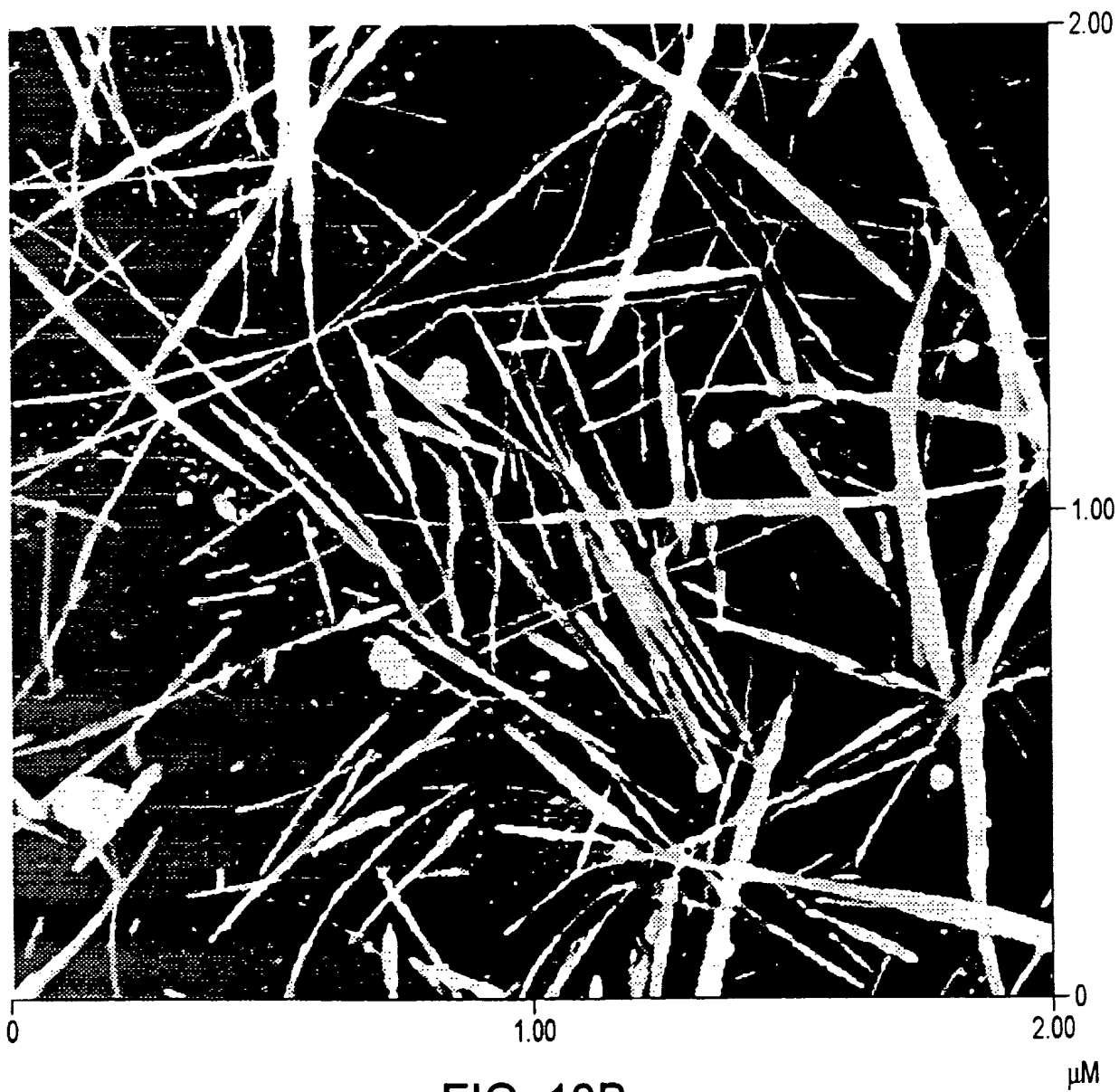


FIG. 12B

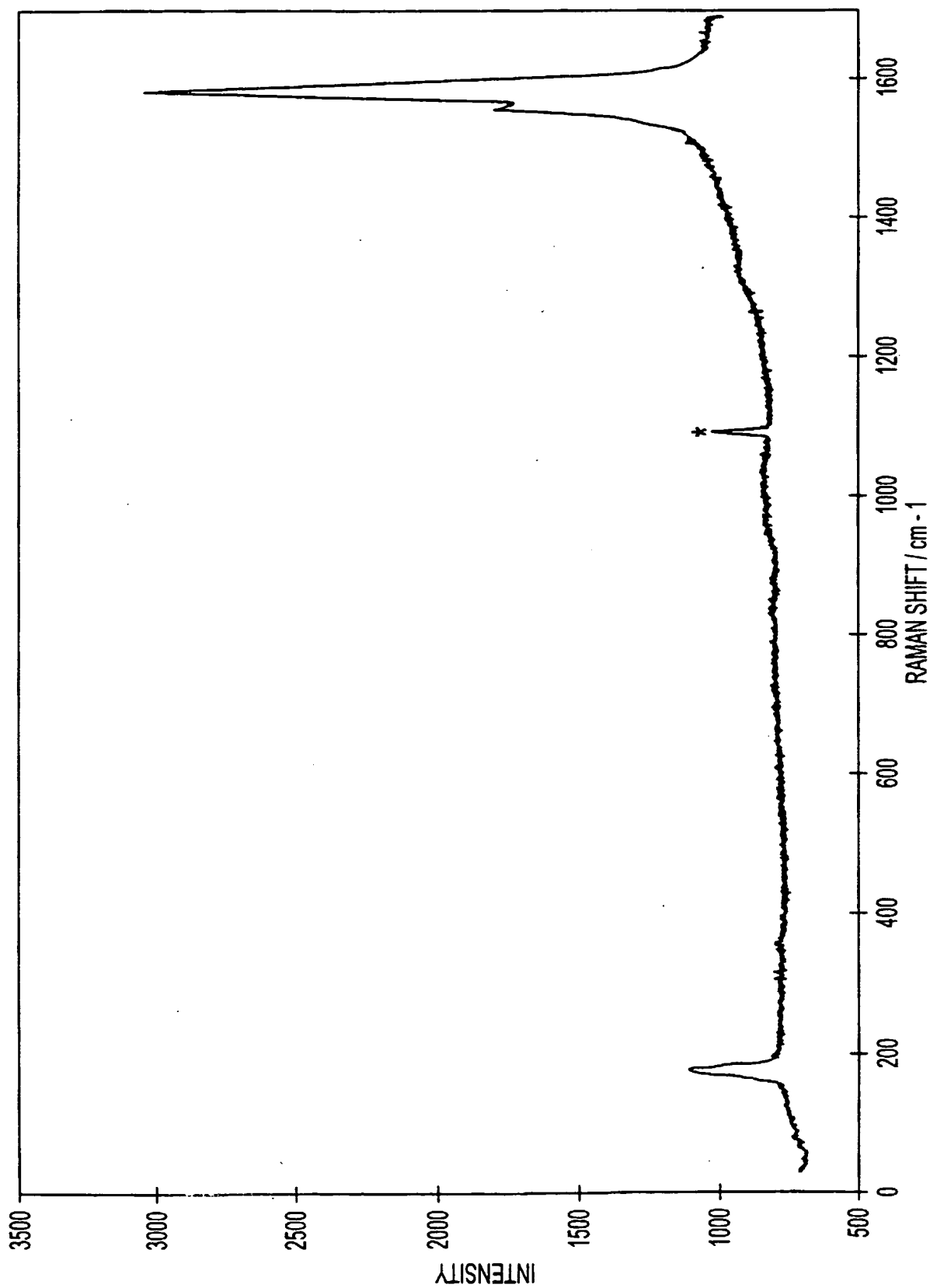


FIG. 13A

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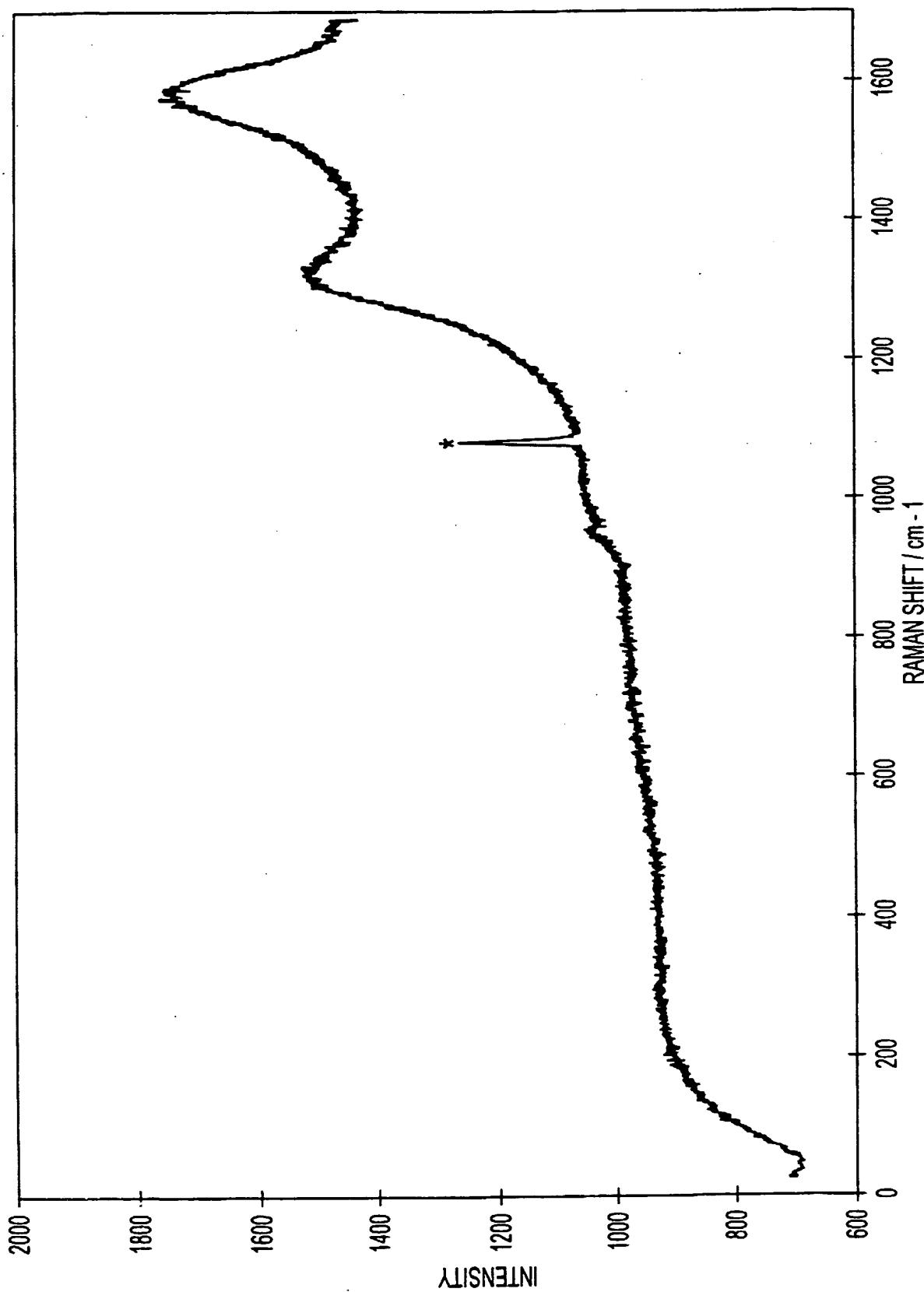


FIG. 13B

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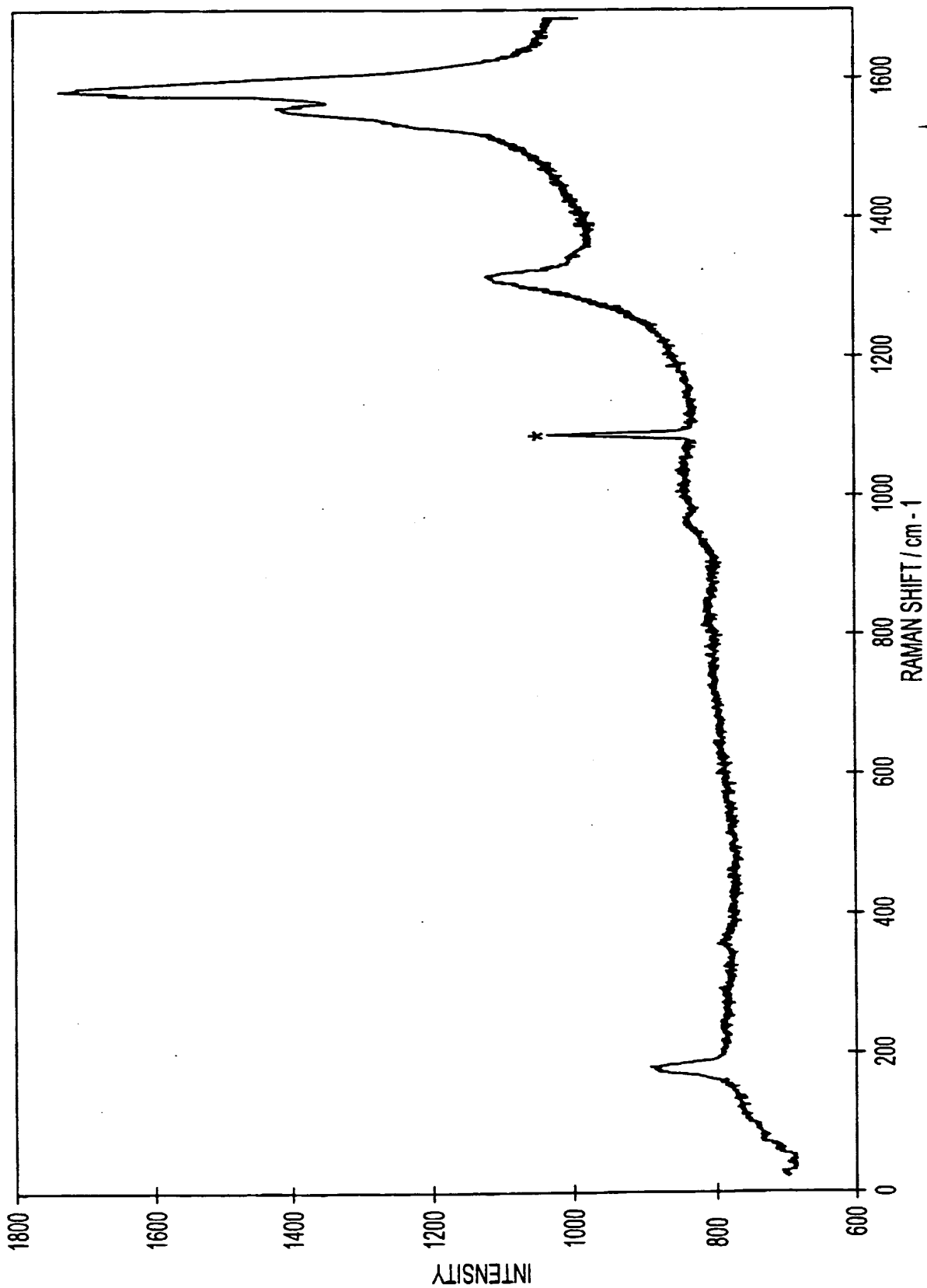


FIG. 13C

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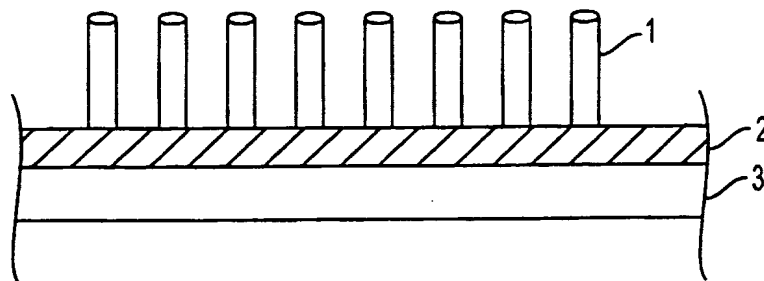


FIG. 14

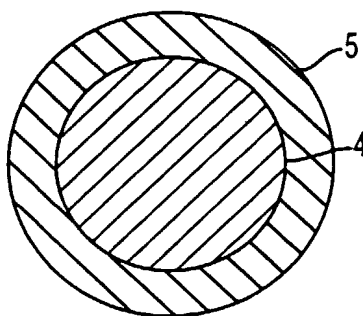


FIG. 15

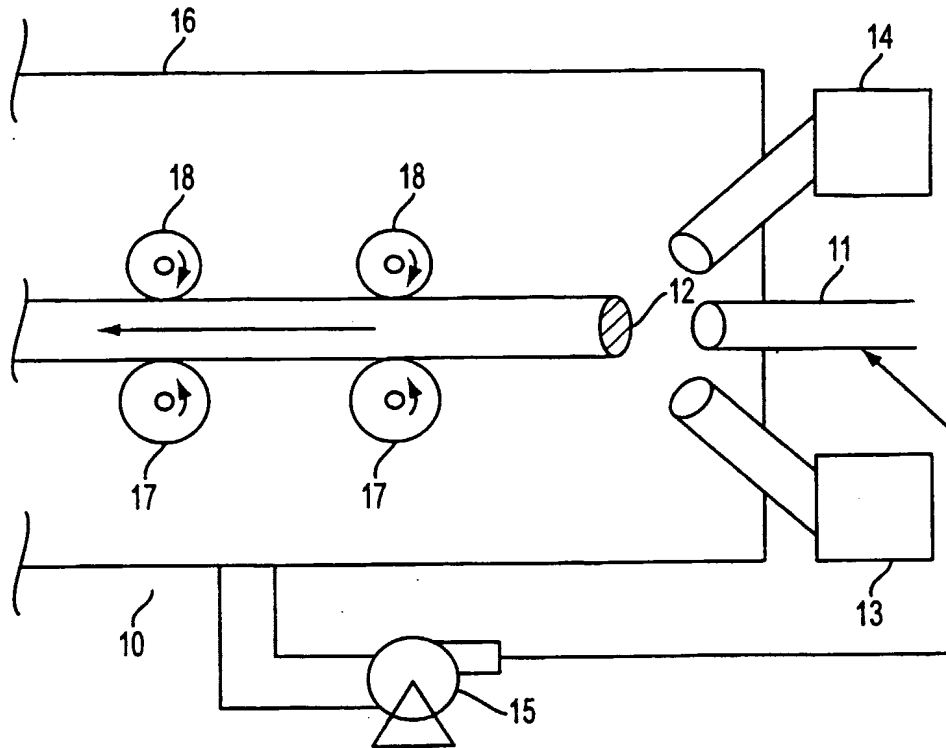


FIG. 16

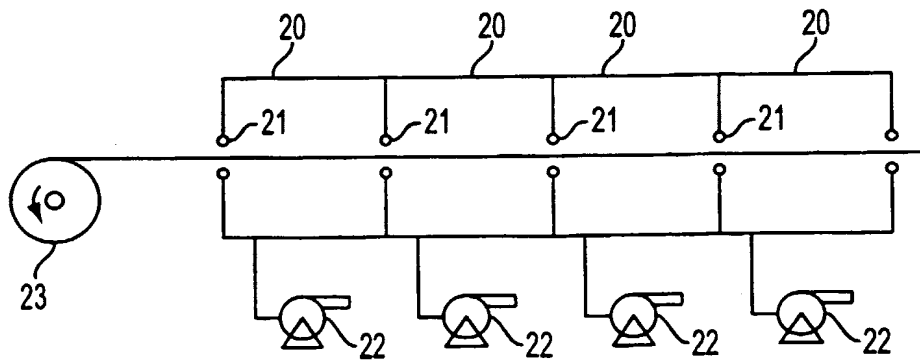


FIG. 17

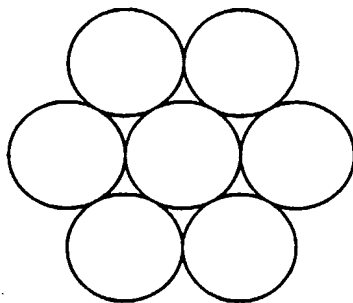


FIG. 18

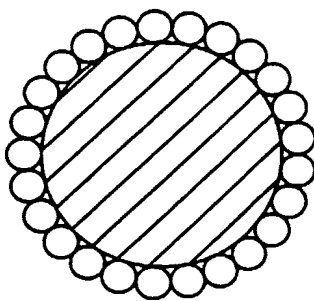


FIG. 19